

What is Claimed:

1. A method of diagnosing a patient and prescribing a regimen of treatment comprising:
 - testing said patient;
 - producing a test result from said patient including DNA test results and other relevant health test results;
 - accessing a database of human genome data correlating known human health disorders with DNA genetic tests;
 - accessing a database of environmental factors which correlate known human health disorders with environmental conditions;
 - accessing a database of prescribed drug therapy for human health disorders; and
 - prescribing a regimen of treatment based on access to said test results, access to said DNA database, access to said environmental database and access to said database of said prescribed drug therapy.
2. The method recited in claim 1 wherein the step of accessing a database of human genome data includes:
 - generating a genetic risk factor which correlates a known human health disorder with DNA sequences.
3. The method recited in claim 1 wherein the step of accessing a database of environmental factors includes generating an environmental risk factor which correlates a known human health disorder with a particular environmental factor.
4. The method recited in claim 1 wherein the step of accessing a database of human genome data includes:
 - generating a genetic risk factor which correlates a known human health disorder with DNA sequences; and

wherein the step of accessing a database of environmental factors includes generating an environmental risk factor which correlates a known human health disorder with a particular environmental factor.

5. The method recited in claim 4 further comprises:

generating a composite risk factor based on both said genetic risk factor and said environmental risk factor.

6. The method recited in claim 5 wherein the step of prescribing a regimen of treatment includes accessing a drug database and determining said prescribed drug therapy from said composite risk factor.

7. The method recited in claim 1 wherein the step of testing and producing test results are performed on Laboratory Information Systems operating on a common format.

8. The method recited in claim 1 further comprising:

accessing a pharmacic genomic database to determine if there is a risk for a major adverse reaction for a particular drug for said patient.

9. A system for diagnosing a patient and prescribing a regimen of treatment comprising:

personal computers for use by doctors;

a remote computer having programs for test administration and database service;

a network interconnecting said personal computers with said remote computer;

a plurality of testing centers interconnected with said remote computer by a network; and

a plurality of databases having genomic, environmental and drug therapy information accessible by said remote computer;

said remote computer producing a diagnosis and a prescription of therapy for said patient from said information.

10. The system recited in claim 9 wherein said remote computer administers a test for DNA, produces a DNA test result, and compares said DNA test result with a database of known genetic disorders to develop a genetic risk factor for a known genetic disorder.

11. The system recited in claim 9 wherein said system receives environmental data for said patient and said remote computer compares said environmental data with a database of known health disorders correlated with environmental factors to generate an environmental risk factor.

12. The system recited in claim 11 wherein said remote computer combines said genetic risk factor and said environmental risk factor into a composite risk factor.

13. The system recited in claim 12 wherein said remote computer uses said composite risk factor to generate a prescribed drug therapy from a drug database.

14. The system recited in claim 13 wherein said remote computer transmits said prescribed therapy over said network to the personal computer originating the request.

15. The system recited in claim 9 wherein said testing centers have Laboratory Information Systems operating on a common data format.